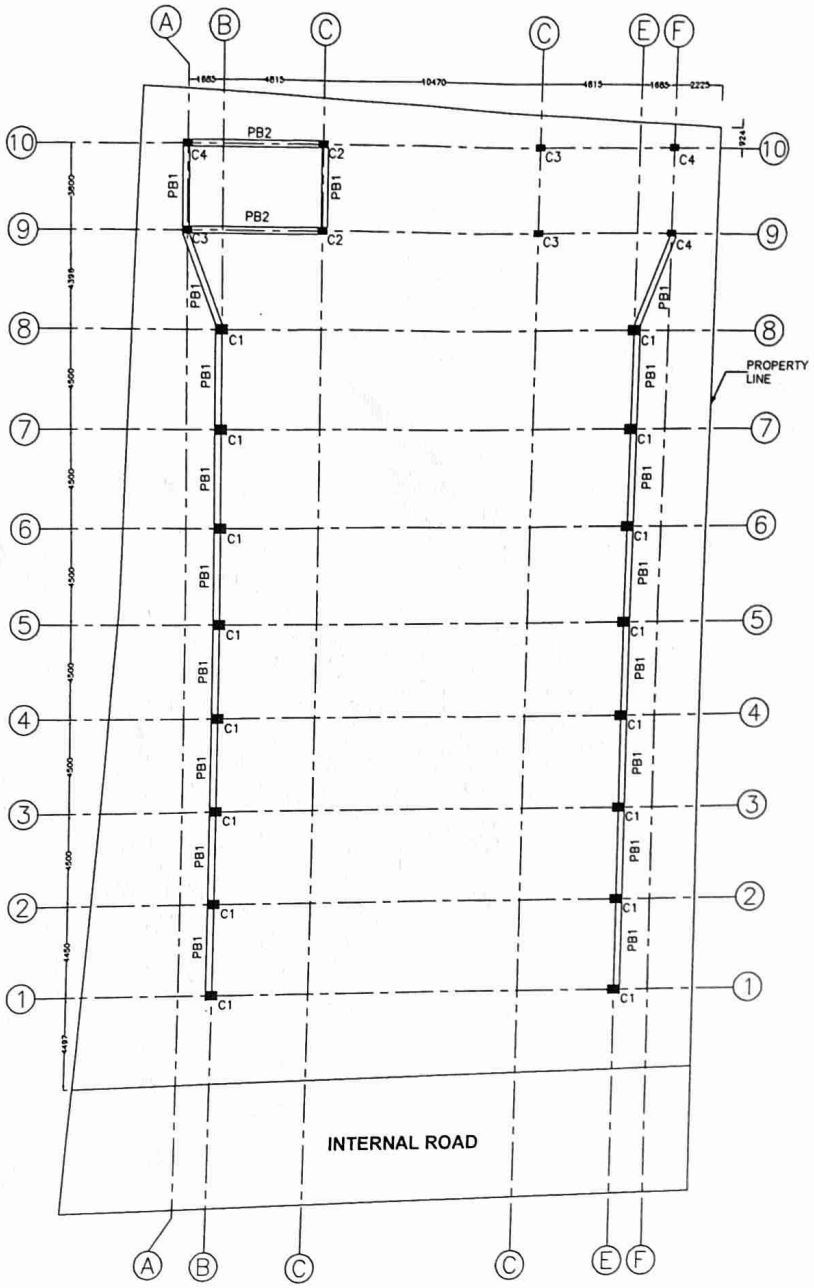
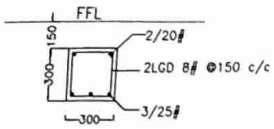
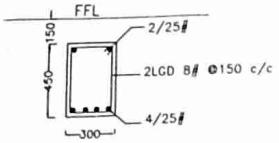


PLINTH BEAM DETAILS



PB1
(300X300)



PB2
(300X450)

N

RUDRAPRASAD CONSULTANTS
STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT MANAGEMENT CONSULTANTS

PROJECT: CONSTRUCTION OF SWIMMING POOL AT WARD NO 7 AMRUTHAHALLI BYATARAYANAPURA ASSEMBLY CONSTITUENCY BANGALORE

CLIENT: BBMP

TITLE: PLINTH BEAM DETAILS

SCALE: NTS

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

ATTESTED

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನೆ ವಿಭಾಗ ,ಯಲಹಂಕ ವಲಯ
ಬೃ.ಬೆಂ.ಮ.ಪಾ: ಬೆಂಗಳೂರು - 92,

Attested

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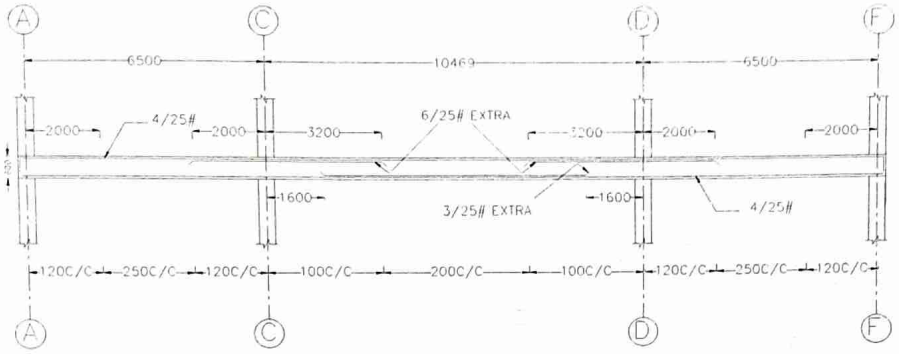
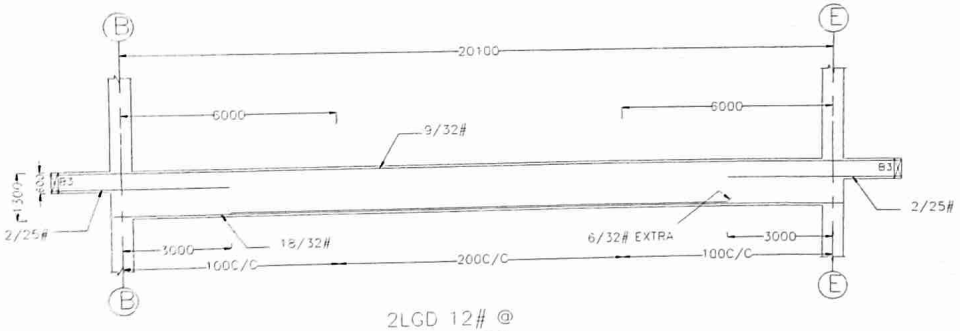


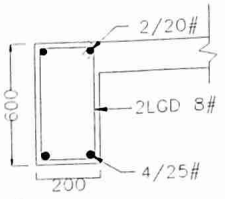
2LGD 12# @

BEAM B1
(300X600)

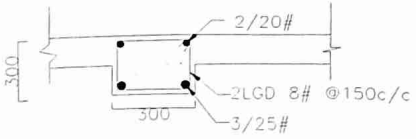


2LGD 12# @
BEAM B2
(450X1300)

NOTE: Lift centre of beam by 40mm



BEAM B3
(200X600)



BEAM B4
(300X300)

N

NOTES:
1) Do Not Scale The drawing
2) All the Dimensions Are In Millimeters
3) Footings and Columns are designed for (G+2+GALVOLUME SHEET ROOFING)
4) S.B.C OF SOIL =150 KN/Sqm assumed
5) Live Load on GF,FF, AND SF slab=5KN/Sqm
6) #Represents Tor Steel of Minimum Yield Strength 500 N/Sqmm
7) Unless Mentioned Grade of Concrete is M25
8) Lap Shall Be 55d in Tension & 45d in compression
9) Clear Cover for Footings 40mm. for Columns 25mm
For Beams 25mm & for Slabs 20mm
10) Read the drawing along with the architectural drawing
11) For any clarification contact structural consultant
12) We are responsible only for structural design of the members and we are not responsible for shoring,strurting and scaffolding
13) Owner/ contractor shall take the total responsibility of protecting the nieghbour's property while doing the construction

REV No	REV DATE	REMARKS
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RUDRAPRASAD CONSULTANTS
STRUCTURAL ENGINEERS, ARCHITECTS
& PROJECT MANAGEMENT CONSULTANTS
No. 3, 7th MAIN,
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Ph : 23444801
Mob : 91-9448227083,91-9972924526
E-mail : rudraprasad3@rediffmail.com
Web : www.arkengineers.com

PROJECT	CONSTRUCTION OF SWIMMING POOL AT WARD NO.7, AMRUTHNAGAR, BYATARAYANAPURA ASSEMBLY CONSTITUENCY, BANGALORE
CLIENT	BBMP
TITLE	GROUND FLOOR ROOF BEAM DETAILS
DESIGN	R. KARTHIK RECHAN B.E, M.S(U.S.A)
CHECKED	R. RUDRAPRASAD M.E PGDBA, FIV, FIE
DRAWN	VIJAYALAKSHMI
DRG. NO	SA/ST-08
SCALE	NTS
REV	

GROUND FLOOR ROOF BEAM DETAILS

ATTESTED

Asst. Executive Engineer

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ಬೃಬೆಂ.ಮ.ಪಾ. ಬೆಂಗಳೂರು - 92.

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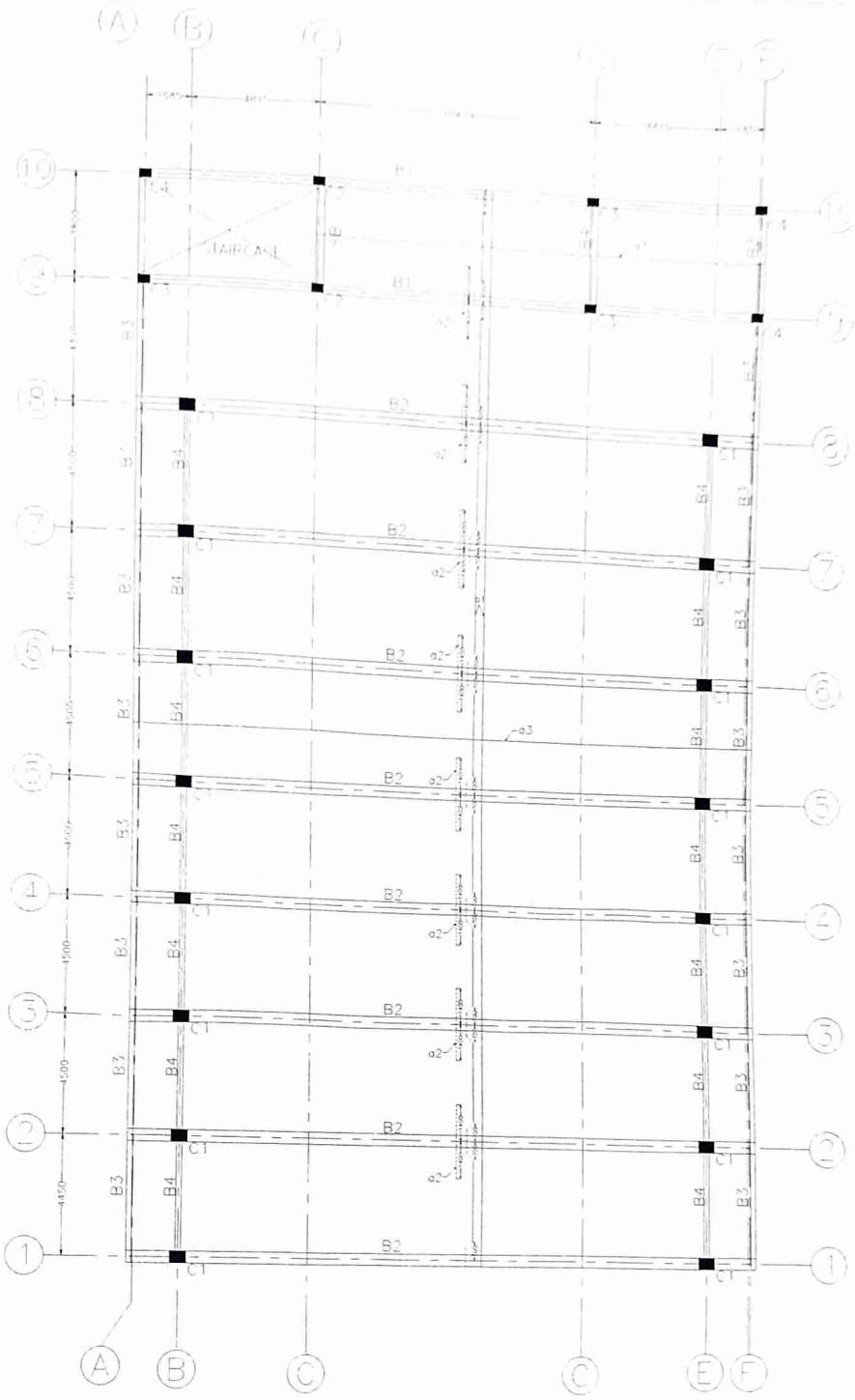

N

GROUND FLOOR ROOF SLAB DETAILS

SLAB = 150 TH UNIFORM

	SLAB BAR SCHEDULE
a1	12# @100 c/c CRANK ALTERNATE BARS
a2	16# @200 c/c EXTRA AT TOP
a3	10# @250 c/c DISTRIBUTION

REV No	REV DATE	REMARKS

RUDRAPRASAD CONSULTANTS
STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT MANAGEMENT CONSULTANTS
No. 1, 7th MAIN, MALLESWARAM, BANGALORE-560003
Ph: 23444500
Mob: 91+9448277033,91-9972314526
E-mail: rudraprasad@rediffmail.com
Web: www.rudraprasad.com

PROJECT	CONSTRUCTION OF SWIMMING POOL AT WARD NO.7 AMRUTHNAGAR, BYATARAYANAPURA ASSEMBLY CONSTITUENCY, BANGALORE
CLIENT	BBMP
TITLE	GROUND FLOOR ROOF SLAB DETAILS DETAILS
DESIGN	R. KARTHIK REDHAN
CHECKED	R. RUDRAPRASAD
DATE	06-02-2019
DRG. NO	SA/ST-09

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

ATTESTED

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ಬೃ.ಬೆಂ.ಮ.ಪಾ. ಬೆಂಗಳೂರು - 92

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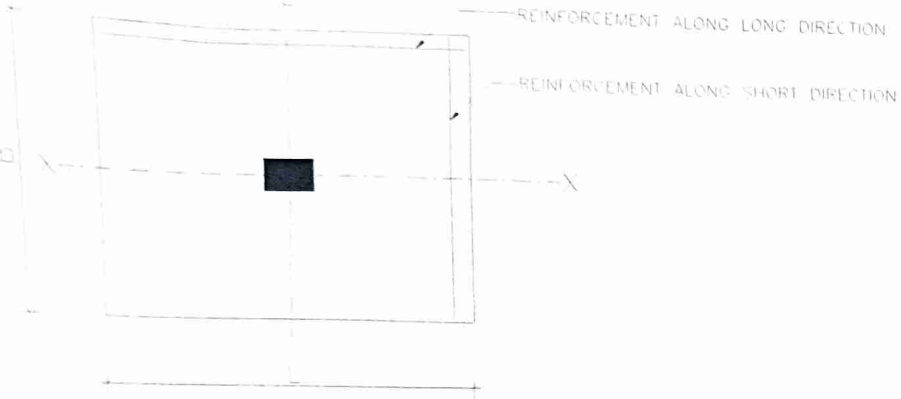
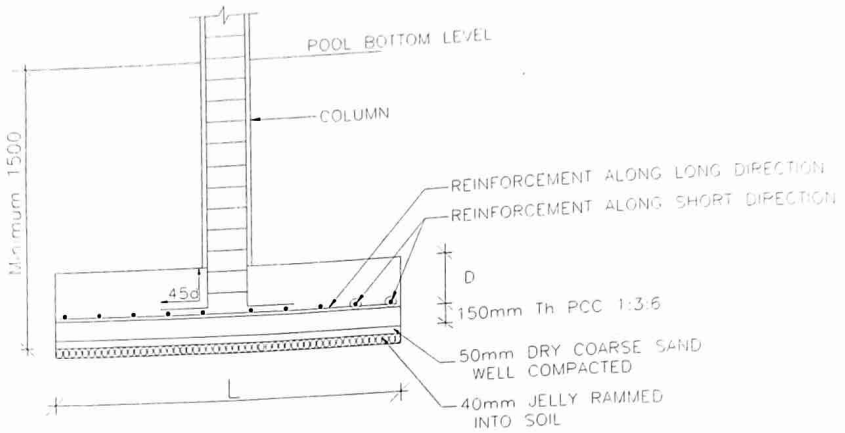


TYPICAL PLAN



SECTION X–X

DETAILS OF TYPICAL COLUMNS & FOOTINGS

SCHEDULE OF COLUMNS AND FOOTINGS

GRADE OF STEEL :Fy=500N/mm2

TO LEVEL				
SECTION				
	14/25#	8/25#	6/25#	4/25# + 2/12#
RINGS	8#RINGS @150c/c	8#RINGS @150c/c	8#RINGS @150c/c	8#RINGS @150c/c
SIZE	600 X 450	450 X 300	450 X 300	450 X 300
MIX	M 25	M 25	M 25	M 25
FROM LEVEL				
COLUMN MARK	C1	C2	C3	C4
L	5000	4200	4000	3500
B	4000	3500	2600	1900
D	900	700	700	600
REINFORCEMENT	21/25# BOTH WAYS	19/20# BOTH WAYS	14/20# BOTH WAYS	15/16# BOTH WAYS
MIX	M 25	M 25	M 25	M 25
REMARKS				

N

NOTES:
1) Do not Scale this drawing.
2) All the Dimensions are in millimeters.
3) Footings and Columns are designed for (SBC=VOLUME SHEET #10PMC)
4) S.B.C. OF SOIL AT 50 M/Sqm assumed.
5) Live Load on GF,FF AND SF assumed as N/Sqm
6) Grade of concrete for Grade of Minimum Used Strength 500 N/Sqmm
7) Unless mentioned Grade of Concrete is M 25
8) Lap Shall Be 50d in Tension & 45d in compression
9) Clear Cover for all Footings 40mm, for Columns 25mm
For Beams 25mm & For Slabs 20mm
10) Read this drawing along with the architectural drawing
11) For any clarification contact structural consultant
12) We are responsible only for structural design of the members and we are not responsible for shoring/centering and scaffolding
13) General contractor shall take the total responsibility of protecting the neighbour's property while doing the construction

REV No.	REV DATE	REMARKS

RUDRAPRASAD CONSULTANTS
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No. 3, 7th MAIN, MALLESWARAM, BANGALORE - 560003
Ph: 23444801
MOB: 91-9448227083/91-9972234528
E-mail: [illegible]

PROJECT: CONSTRUCTION OF [illegible] AT WARD NO.7, ANEKAL TOWN PANCHAYATH, ANEKAL ASSEMBLY CONSTITUENCY, BANGALORE

CLIENT: BBMP

TITLE: SCHEDULE OF COLUMNS AND FOOTINGS

DESIGN: R. CHETHAN RECHAN
CHECKED: [illegible]
DATE: 25-09-18
Drawn: SUNITH
DRG. NO: SA/ST-02
SCALE: NTS
REV: R0

ATTESTED

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನೆ ವಿಭಾಗ ,ಯಲಹಂಕ ವಲಯ
ಬೃ.ಬೆಂ.ಮ.ಪಾ. ಬೆಂಗಳೂರು - 92.

Asst. Executive Engineer
Project Division

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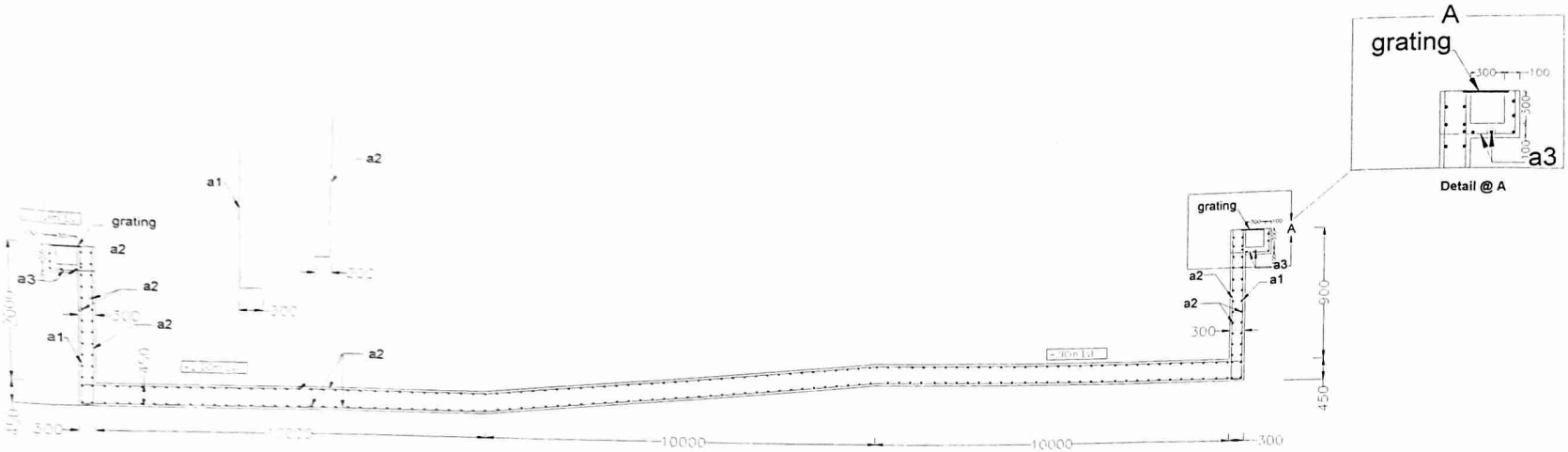
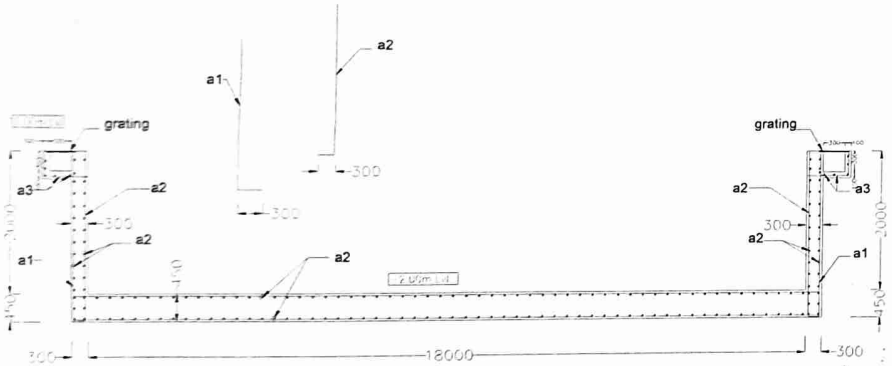


SECTION 1-1



SECTION 2-2

	BAR SCHEDULE
a1	20# @150 c/c
a2	20# @180 c/c
a3	12# @150 c/c

SWIMMING POOL SECTION DETAILS

N

NOTES:
1) Do Not Scale The Drawing
2) All the Dimensions Are In Millimeters
3) Footings and Columns are designed for (G+2+SAG/FLAT SHEET ROOFING)
4) S.B.C OF SOIL =150 KN/Sqm assumed
5) Use Cast on Grade of Concrete 50mm
6) Reinforcements For Steel of Minimum Yield Strength 500 N/Sqmm
7) Unless Mentioned Grade of Concrete is M25
8) Use Grade Fe 550 in Tension & 450 in Compression
9) Clear Cover For Footings 40mm, For Columns 25mm
For Beams 25mm & For Slabs 20mm.
10) Read the drawing along with the architectural drawing
11) For any clarification contact structural consultant
12) We are responsible only for structural design of the members and we are not responsible for shoring,shutting and scaffolding
13) Owner/ contractor shall take the total responsibility of protecting the neighbour's property while doing the construction

REV No	REV DATE	REMARKS

RUDRAPRASAD CONSULTANTS
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Web: www.drsengineers.com

PROJECT	CONSTRUCTION OF SWIMMING POOL AT WARD NO.7, AMRUTHNAGAR, BYATARAYANAPURA ASSEMBLY CONSTITUENCY, BANGALORE
BY	BBMP
	SWIMMING POOL SECTION
DESIGN	R.KARTHIKPRECHAN
CHECKED	
DATE	11-09-18
DRG. NO.	ST-1
SCALE	NTS
REV.	R0

ATTESTED
Asst. Executive Engineer
Project Division
Yelahanka Zone
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯೋಜನೆ ವಿಭಾಗ ,ಯಲಹಂಕ ವಲಯ
ಬೃ.ಬೆಂ.ಮ.ಪಾ. ಬೆಂಗಳೂರು – 92.
ಮತ್ತು ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ